



Attorney Docket Number	4239-83272-10
Application Number	10/566,899
Filing Date	September 25, 2006
First Named Inventor	Che-Hung Robert Lee
Art Unit	1645
Examiner Name	Rodney P. Swartz

### U.S. PATENT DOCUMENTS

Examiner's Initials*	Cite No. (optional)	Number	Date	Name of Applicant or Patentee
/RPS/		4,771,127	13 Sept 1988	Cryz et al.
↓		5,849,301	15 Dec 1998	Lees et al.
↓		6,207,157	27 Mar 2001	Gu et al.
↓		6,531,131	11 Mar 2003	Gu et al.
↓		6,607,725	19 Aug 2003	Gu et al.
↓		6,685,949	03 Feb 2004	Gu et al.

### FOREIGN PATENT DOCUMENTS

Examiner's Initials*	Cite No. (optional)	Country	Number	Date	Name of Applicant or Patentee
/RPS/		WIPO/PCT	WO 93/13797	22 July 1993	The Government of the United States of America as represented by the Department of Health and Human Services

EXAMINER SIGNATURE:	/Rodney P. Swartz, Ph.D./	DATE CONSIDERED:	06/15/2010
---------------------	---------------------------	------------------	------------

\* Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>	Attorney Docket Number	4239-83272-10
	Application Number	10/566,899
	Filing Date	September 25, 2006
	First Named Inventor	Che-Hung Robert Lee
	Art Unit	1645
	Examiner Name	Rodney P. Swartz

Examiner's Initials*	Cite No. (optional)	OTHER DOCUMENTS
/RPS/		Behr et al., "Asymmetric synthesis of potent glycosidase and very potent $\alpha$ -mannosidase inhibitors: 4-amino-4-deoxy-L-erythrose and 4-amino-4,5-dideoxy-L-ribose," <i>Tetrahedron</i> 59:543-553, 2003
		Byrd et al., "Preparation, Characterization, and Immunogenicity of Conjugate Vaccines Directed against <i>Actinobacillus pleuropneumoniae</i> Virulence Determinants," <i>Infection and Immunity</i> pp. 3042-3051, August 1992
		Cryz et al., "Pseudomonas aeruginosa Immunotype 5 Polysaccharide-Toxin A Conjugate Vaccine," <i>Infection and Immunity</i> pp. 161-165, April 1986
		Cryz et al., "Vaccine Potential of <i>Pseudomonas aeruginosa</i> O-Polysaccharide-Toxin A Conjugates," <i>Infection and Immunity</i> pp. 1547-1551, July 1987
		Cryz et al., "Synthesis and Characterization of Escherichia coli O18 O-Polysaccharide Conjugate Vaccines," <i>Infection and Immunity</i> pp. 373-377, February 1990
		Cryz et al., "Synthesis and Characterization of a <i>Pseudomonas aeruginosa</i> Alginate-Toxin A conjugate Vaccine," <i>Infection and Immunity</i> pp. 45-50, January 1991
		Fattom et al., "Comparative Immunogenicity of Conjugates Composed of the <i>Staphylococcus aureus</i> Type 8 Capsular Polysaccharide Bound to Carrier Proteins by Adipic Acid Dihydrazide or N-Succinimidyl-3-(2-Pyridylidithio) propionate," <i>Infection and Immunity</i> pp. 584-589, February 1992
		Gu et al., "Synthesis, Characterization and Immunologic Properties of Detoxified Lipooligosaccharide from Nontypeable <i>Haemophilus influenzae</i> Conjugated to Proteins," <i>Infection and Immunity</i> pp. 4047-4053, October 1996
		Gu et al., "Synthesis and Characterization of Lipooligosaccharide-Based Conjugates as Vaccine Candidates for <i>Moraxella (Branhamella) catarrhalis</i> ," <i>Infection and Immunity</i> pp. 1891-1897, May 1998
		Gupta et al., "Phase I Evaluation of <i>Vibrio cholera</i> O1, Serotype Inaba, Polysaccharide-Cholera Toxin Conjugates in Adjust Volunteers," <i>Infection and Immunity</i> pp. 3095-3099, July 1998
		Konadu et al., "Synthesis, Characterization, and Immunological Properties in Mice of Conjugates Composed of Detoxified Lipopolysaccharide of <i>Salmonella paratyphi</i> A Bound to Tetanus Toxoid, with Emphasis on the Role of O Acetyls," <i>Infection and Immunity</i> pp. 2709-2715, July 1996
↓		Konadu et al., "Preparation, Characterization, and Immunological Properties in Mice of <i>Escherichia coli</i> O157 O-Specific Polysaccharide-Protein Conjugate Vaccines," <i>Infection and Immunity</i> pp. 3095-3099, July 1998

EXAMINER SIGNATURE:	/Rodney P. Swartz, Ph.D./	DATE CONSIDERED:	06/15/2010
---------------------	---------------------------	------------------	------------

\* Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		Attorney Docket Number	4239-83272-10
		Application Number	10/566,899
		Filing Date	September 25, 2006
		First Named Inventor	Che-Hung Robert Lee
		Art Unit	1645
		Examiner Name	Rodney P. Swartz

Examiner's Initials*	Cite No. (optional)	OTHER DOCUMENTS
/RPS/		Kossaczka et al., "Synthesis and Immunological Properties of Vi and Di-O-Acetyl Pectin Protein Conjugates with Adipic Acid Dihydrazide as the Linker," <i>Infection and Immunity</i> pp. 2088-2093, June 1997
		Kossaczka et al., "Safety and Immunogenicity of VI Conjugate Vaccines for Typhoid Fever in Adults, Teenagers, and 2- to 4-Year Old Children in Vietnam," <i>Infection and Immunity</i> pp. 5806-5810, November 1999
		Kossaczka et al., "Vibrio cholera O139 Conjugate Vaccines: Synthesis and Immunogenicity of V. cholera O139 Capsular Polysaccharide Conjugates with Recombinant Diphtheria Toxin Mutant in Mice," <i>Infection and Immunity</i> pp. 5037-5043, September 2000
		Kuo et al., "Characterization of a Recombinant Pneumolysin and Its Use as a Protein Carrier for Pneumococcal Type 18C Conjugate Vaccines," <i>Infection and Immunity</i> pp. 2706-2713, July 1995
		Lagergard et al., "Synthesis and Immunological Properties of Conjugates Composed of Group B Streptococcus Type III Capsular Polysaccharides Covalently Bound to Tetanus Toxoid," <i>Infection and Immunity</i> pp. 687-694, March 1990
		Que et al., "Effect of Carrier Selection on Immunogenicity of Protein Conjugate Vaccines against <i>Plasmodium falciparum</i> Circumsporozoites," <i>Infection and Immunity</i> pp. 2645-2649, October 1988
		Sarvamangala et al., "Cryptococcus neoformans Serotype A Glucuronoxylamann-Protein Conjugate Vaccines: Synthesis, Characterization, and Immunogenicity," <i>Infection and Immunity</i> pp. 3700-3707, October 1991
		Schneerson et al., "Synthesis of a Conjugate Vaccine Composed of Pneumococcus Type 14 Capsular Polysaccharide Bound to Pertussis Toxin," <i>Infection and Immunity</i> pp. 3528-3532, September 1992
↓		Shen et al., "Group B <i>Streptococcus</i> Capsular Polysaccharide-Cholera Toxin B Subunit Conjugate Vaccines Prepared by Different Methods for Intranasal Immunization," <i>Infection and Immunity</i> pp. 297-306, January 2001
		Office Action dated October 7, 2009, from U.S. Patent Application No. 10/566,898

EXAMINER SIGNATURE:	/Rodney P. Swartz, Ph.D./	DATE CONSIDERED:	06/15/2010
---------------------	---------------------------	------------------	------------

\* Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.